



Bristles

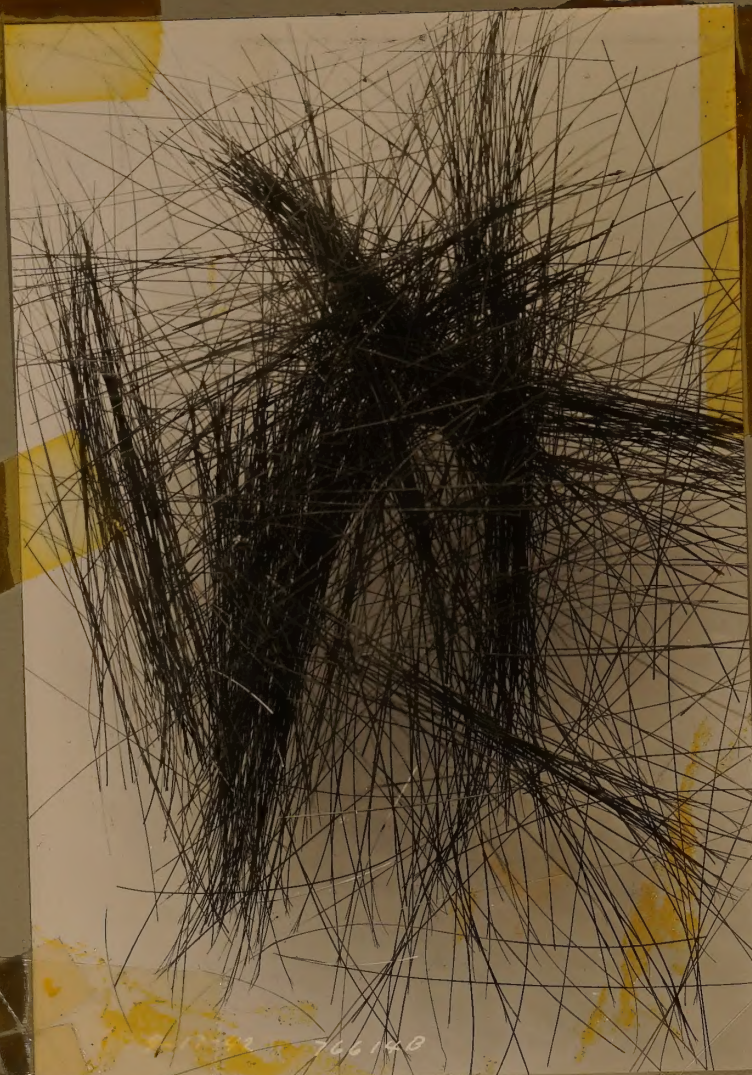
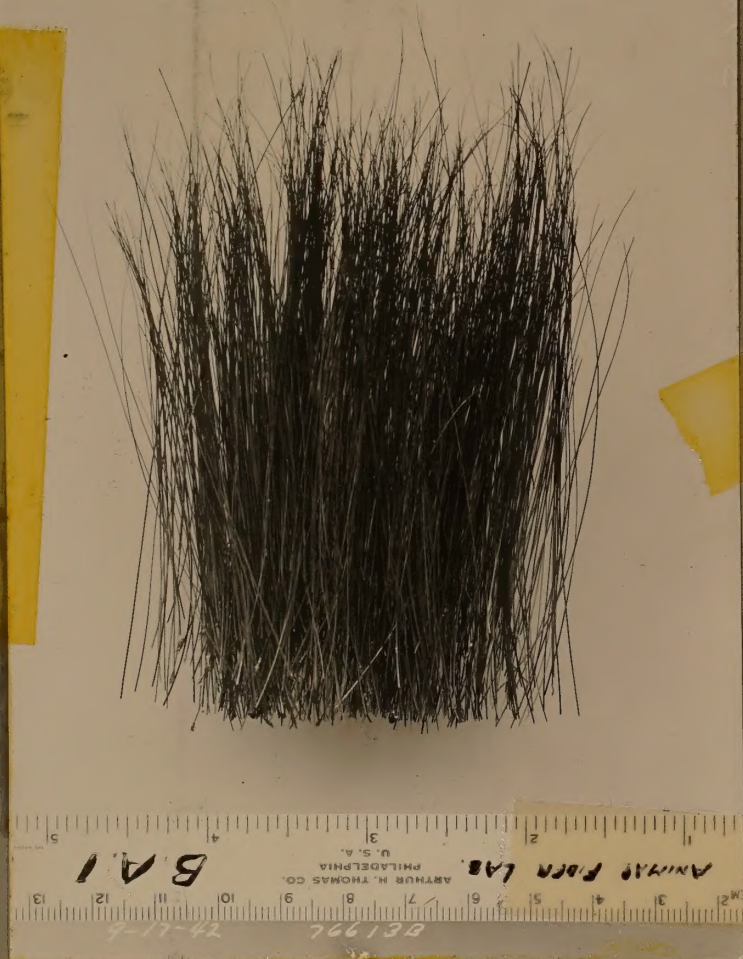
Showing area selected for
bristles of greater length
suitable for brush manufacture.
Neg. Nos. 10721A and 10722A
Taken by Stenhouse
At Beltsville
9-17-42



Neg. No. 76608-B
Clipping bristles from back with scissors
Neg. No. 76609-B
Clipping bristles from neck region
Taken by Stenhouse At Beltsville
9-17-42

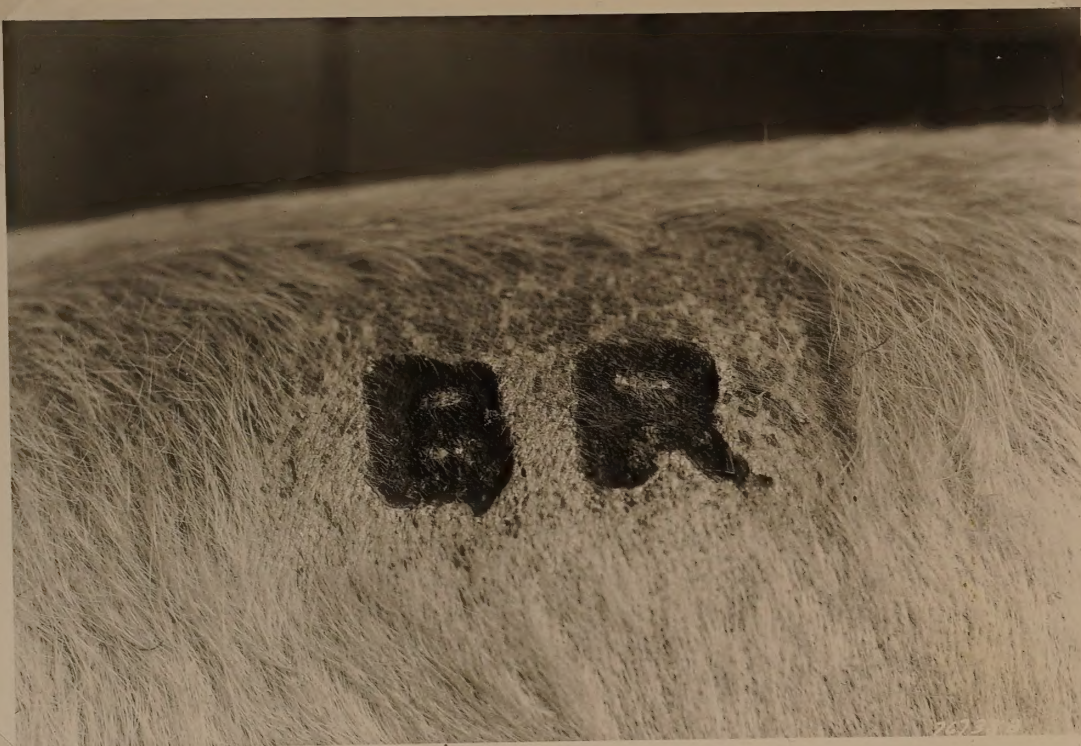


Neg. No. 76610-B
 Showing length of bristles over shoulder
 Neg. No. 76611-B
 Clipping bristles of good quality for brushes
 Neg. No. 76612-B
 Showing length of bristles over back
 Taken by Stenhouse at Beltsville
 9-17-42



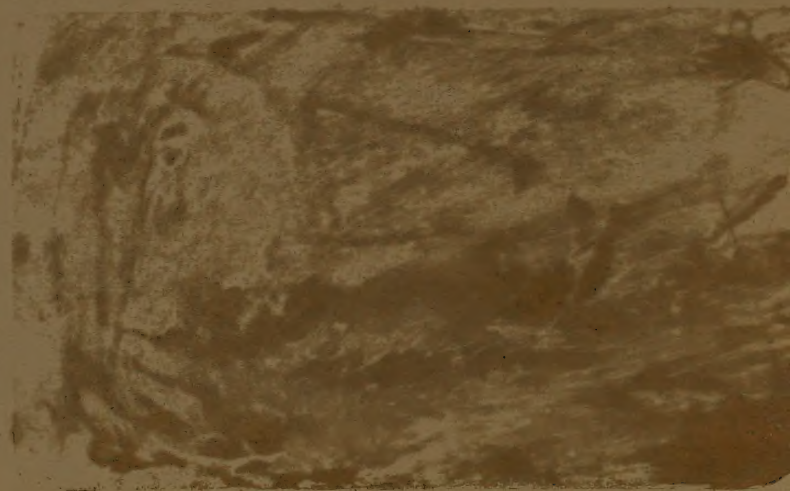
Neg. No. 76613-B
Hog bristles of quality used for making brushes,
arranged in small bundles.

Neg. No. 76614-B
Hog bristles as clipped from the animal
Taken by Stenhouse at Beltsville
9-17-42



Close up of chemical brand on hog, taken 12 days
after branding.
Kol-Brand by Jensen-Salsbery, used and applied
with branding iron.
Neg. No. 76733-B Taken 11-30-42 by Stenhouse

Small pictures taken 1-5-43 of the same hog





Photographs of hogs branded 11-18-42 using
Kol-Brand. Photographed 11-30-42 by Stenhouse
at Beltsville, Md.
Neg. Nos. 10756-A and 10757-A.



Photograph taken 1-5-43 of hogs branded 11-30-42.





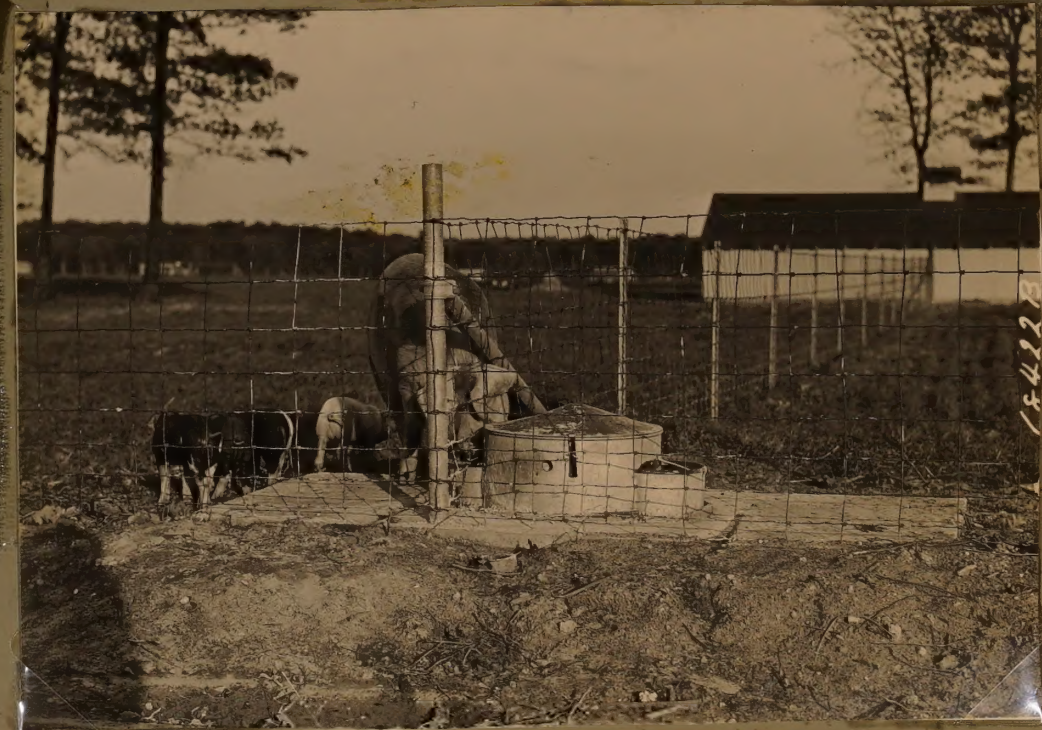
Exterior view of double colony house
10' x 32' showing ventilators and roof
windows. Type of house used in hog lots
at Beltsville. Neg. No. 68420-B 11-2-39



Interior view of double colony house
used in hog lots at Beltsville
Neg. No. 68421-B. 11-2-39.



Individual holding lots with box
type colony house, east of new swine
farrowing laboratory. Neg. No. 68419-B



Automatic hog waterer serving two
hog lots. Platform is sloped toward
roadway to carry drainage out of
hog lot. Neg. No. 68422-B. 11-2-39



Interior view in feed and storage
barn showing rat proofing.
Neg. No. 68424-B. 11-2-39



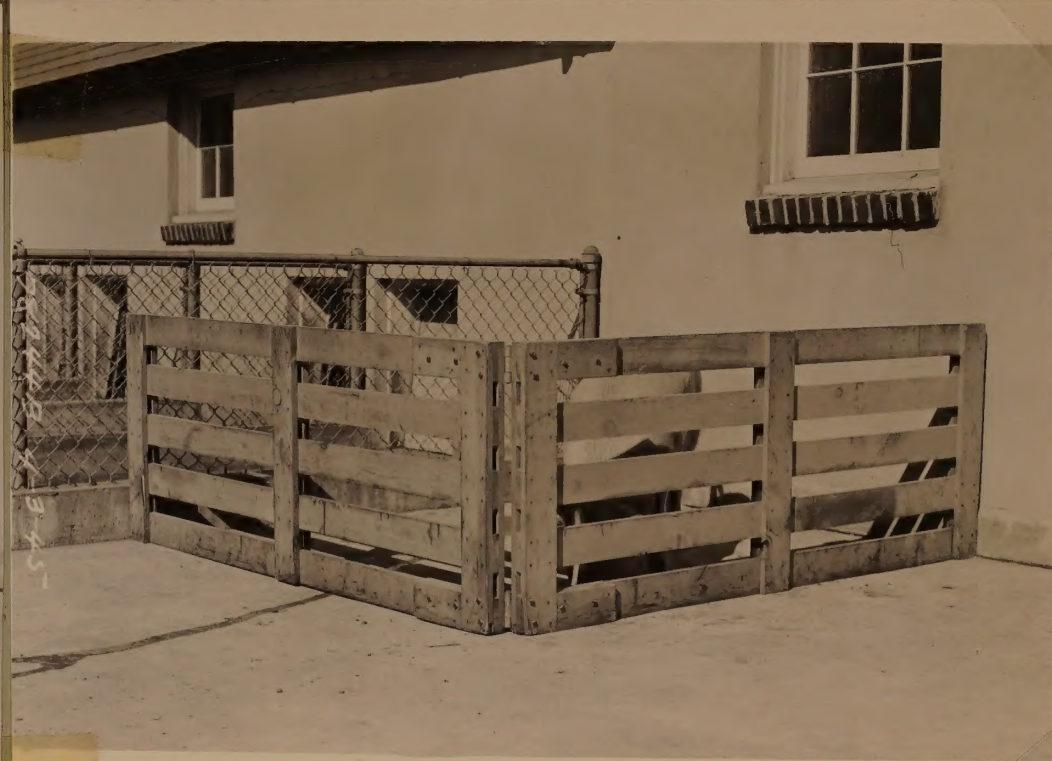
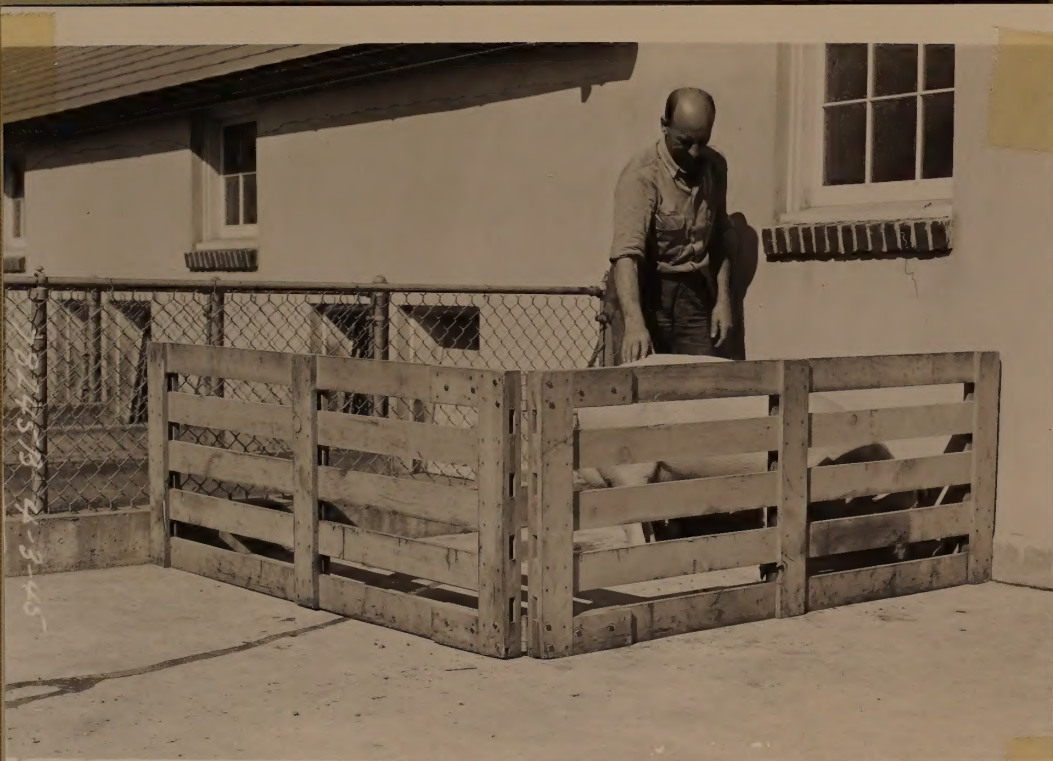
Interior view of new feed and storage
barn constructed on swine area in 1939
Neg. No. 68423-B 11-2-39



Box type colony house.
Taken at Beltsville, Md. 12-11-40.
Neg. No. 69509-B.



Interior of box type colony house
showing guard rail.
Neg. No. 69508-B. 12-11-40.

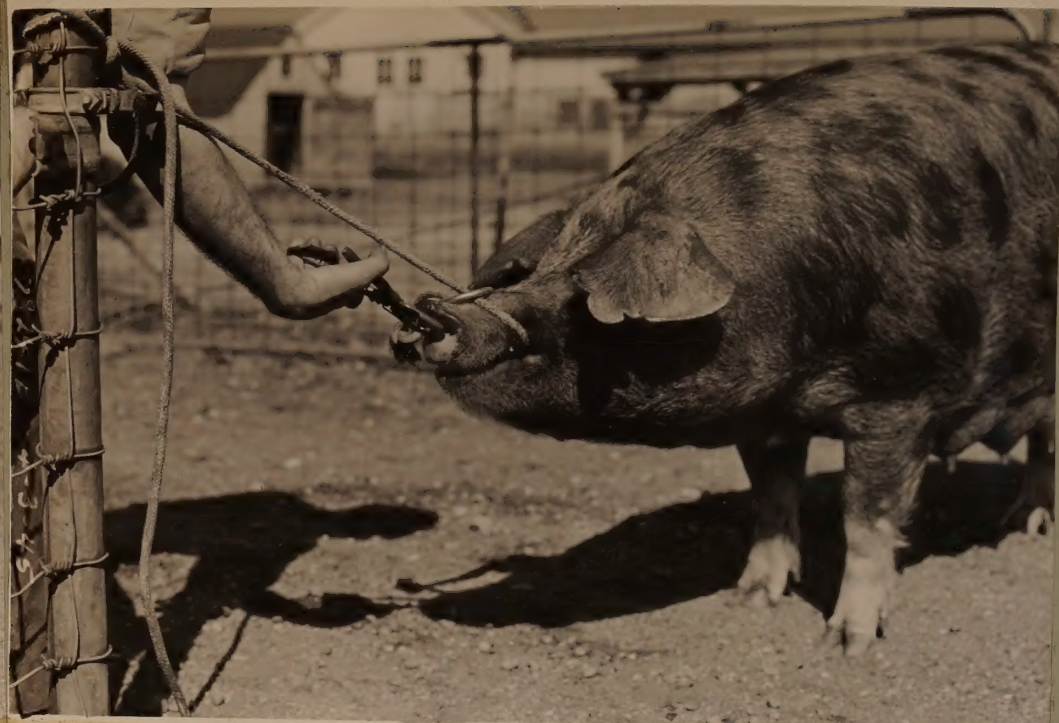


Beltsville, Md.

Hinged hurdle for holding hogs.
4-3-45 Neg. No. 78245-B

Neg. No. 78944-B - same

Close up of light hand hurdle
4-3-45 Neg. No. 78246-B



Snubbing up a sow to place rings in nose.
Fishhook rings used. 4-3-45 Neg. No. 78243-B

Close up of inserting humane hog ring between
nostrils. Neg. No. 78241-B

Close up of ringing sow. Neg. No. 78242-B



Exterior view of new swine farrowing laboratory constructed in 1939. Neg. No. 68414-B. 11-2-39.



Exterior view of south end of new swine farrowing laboratory constructed in 1939. Neg. No. 68415-B. 11-2-39



View of outside pen construction, new swine farrowing laboratory constructed in 1939. Neg. 68413-B. 11-2-39



Overhead sliding door which is lowered to prevent drafts in alleyway of new swine farrowing laboratory constructed in 1939. Neg. No. 68416-B. 11-2-39



Overhead sliding door partly lowered
in end of alleyway of new swine farrowing
laboratory. Neg. No. 68417-B. 11-2-39



Interior view of new swine farrowing
laboratory showing holding pens and
scales for weighing hogs. Neg. No. 68418-B
11-2-39.



Raised door sill in new swine farrowing
laboratory. Neg. No. 68412-B. 11-2-39.



Interior of new swine farrowing
laboratory constructed in 1939. Note pen
construction, lighting and overhead
insulation. Neg. No. 68410-B. 11-2-39



Neg. No. 69942-B
New Record of Performance Barn - 48 individual
pens. Completed in February 1941.
Swine Section, B. R. C.

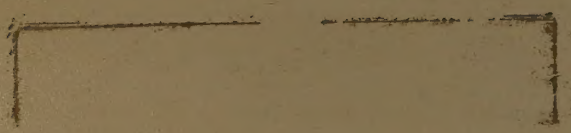
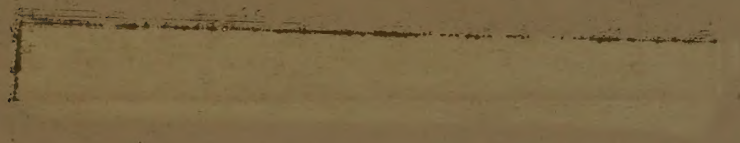
Neg. No. 69946-B
Interior view of Swine Record of Performance
feeding barn. Swine Section, B. R. C. 9-3-41



Neg. No. 69943-B
New 14-pen Swine Feeding Barn-For feeding entire
litter. Completed Feb. 1941.

Neg. No. 69949-B
Interior view Swine Feeding Barn 9-3-41







Neg. No. 10565-A
Swine Record of Performance Feeding Barn
9-3-41

Neg. No. 10566-A
Type of individual feeder used in Record of Performance
pens. 9-3-41



Neg. No. 10567-A
Individual drinking cups in pens in Record of
Performance house

Neg. No. 10568-A
Self feeder in swine feeding barn





Neg. No. 10584-A
Same as Neg. No. 10583-A

Neg. No. 10585-A
Same as Neg. No. 10582-A



69593A



10-2-41

10582A

Neg. No. 10582-A
Vaccinating suckling pigs against hog cholera.
Hog cholera virus injected into rear flank.
Swine Section. A.R.C. 10-2-41

Neg. No. 10583-A
Hog cholera serum injected in forearm pit. 10-2-41



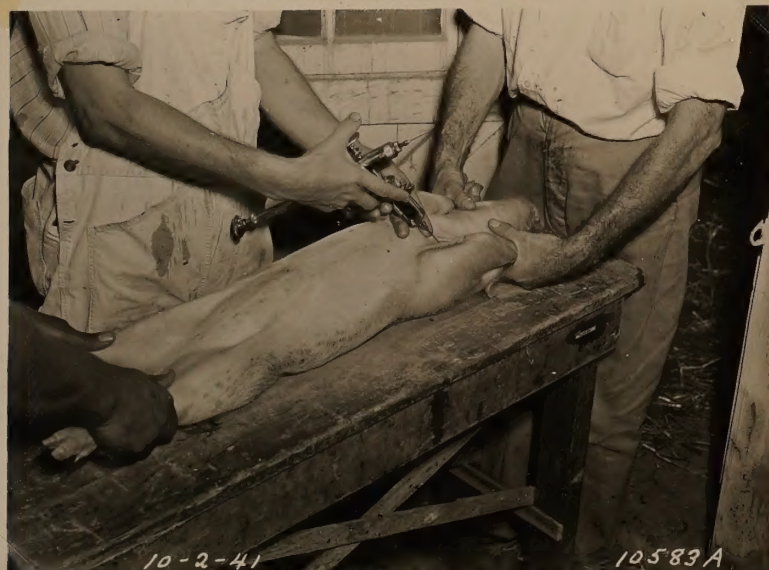
10-2-41

10584A



10-2-41

10585A



10-2-41

10583A



Neg. No. 76018-B
Digging soil from the roadside for young pigs on concrete. Swine Section, B.R.C. 10-9-41

Neg. No. 76019-B
Sweeping out old bedding from hog house in preparation for cleaning and disinfecting. Swine Section, B.R.C. 10-9-41



Neg. No. 76020-B
Soaking floor of farrowing pen before cleaning to remove hardened dirt. 10-9-41

Neg. No. 76021-B
Cleaning colony house with lye and hot water





Neg. No. 76022-B
Disinfecting farrowing pen prior to bedding.
Swine Section - B. R. C. 10-9-41

Neg. No. 76023-B
Same as 76022-B



Neg. No. 76024-B
Bedding clean house with straw in preparation for
new litters.





Negative No. 10586-A
Hog jumping into dipping vat
Swine Section, B. R. C. Oct. 1941
Neg. No. 10587-A
Dipping hogs for lice
Swine Section, B.R.C. Oct. 1941



Neg. No. 10588-A
Draining pen in connection with dipping vat for
hogs. Swine Section, B.R.C. Oct. 1941.



Neg. No. 10563-A
New strain of sitting pigs
Swine Section, B.R.C. 9-3-41

Neg. No. 10564-A
Making a hog of himself
Swine Section, B.R.C. 9-3-41





Neg. No. 10589-A

Placing soil (obtained from sections to which pigs have not had access) in box under guard rail.

This practice helps to prevent anemia.

Swine Section, B.R.C. Oct. 1941.

Neg. No. 10590-A

Hogs rooting in dirt placed underneath guard rail in farrowing pen. This practice helps to prevent anemia.





Neg. No. 69944-B

Round worms expelled from hog shown in photograph
after treatment with oil of chenopodium and castor
oil. Swine Section, B.R.C. 9-2-41



Neg. No. 10548-A
Holding pen for swine 9-3-41

Neg. No. 10549-A
Loading chute for hogs. Note canvass slap used to
prevent bruises. 9-3-41



Neg. No. 10550-A
Hogs loaded on truck

Neg. No. 10551-A
Truck load of hogs for market 9-3-41





Neg. No. 10553-A
Use hurdle and slap made of canvas for driving hogs
9-3-41

Neg. No. 10554-A
Hogs being loaded on railroad car from truck



Neg. No. 10555-A
Same as 10554-A

Neg. No. 10556-A
Same as 10554-A





Neg. No. 69954-B
Note arrangement of pens to facilitate driving of
hogs to loading chute. 9-3-41

Neg. No. 69955-B
Loading hogs for market. 9-3-41



Neg. No. 69956-B
Loading hogs on truck 9-3-41

Neg. No. 69957-B
Hogs on truck ready for market 9-3-41





5-14-42 76483 B



5-14-42 76483 B

Sows and pigs under movable shade
Beltsville, Md. 5-14-42



Sows and pigs under movable shade
Beltsville, Md. 5-14-42



Concrete feeding pens and equipment constructed
at Beltsville December 1941



Sows and pigs under movable shade, Beltsville, Md.
5-14-42



5-14-42 76485B



5-14-42 76486B

Sows and pigs under movable shade
Beltsville, Md. 5-14-42

10291A



Electric Pig Hover
Taken at Beltsville, Md. 3-7-40
Neg. No. 10291-A

10247A



Electric Pig Hover showing litter
keeping warm.
Neg. No. 10247-A

10246A



Electric Pig Hover
Taken at Beltsville, Md. 11-14-39
Sow 560.9 - Litter No. 337. F'd. 11-9-39
Neg. No. 10246-A.

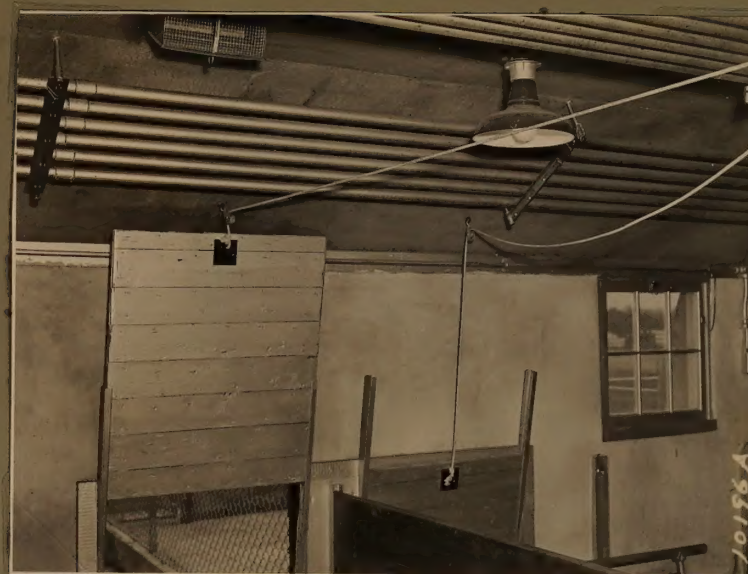
10245A



Electric Pig Hover showing how
sow is excluded.
Neg. No. 10245-A.



Drains provided for overflow of water from automatic drinking fountain in individual farrowing pen. New swine farrowing house constructed in 1939. Neg. No. 10199-A. 11-1-39.



Interior of new swine farrowing barn constructed 1939 showing ventilator intake, heater pipes attached to ceiling and raised door of farrowing pen. Neg. No. 10196-A. 11-1-39



Interior of farrowing pen in new farrowing laboratory constructed in 1939, showing automatic waterer and guard rail equipment. Note walled reservoir to carry overflow from waterer into gutter outside of pen. Guard rails may be elevated to side of pen when not in use. Neg. No. 10201-A 11-1-39



Interior of farrowing pen showing steam pipes under guard rail. This method of heating is unsatisfactory. Farrowing house constructed in 1934. Neg. No. 10203-A. 11-1-39



General view of new swine layout looking East from the East-West highway. Scattering of sows indicate method of management which forces exercise during the gestation period for spring litters. March 1941.
10459-A



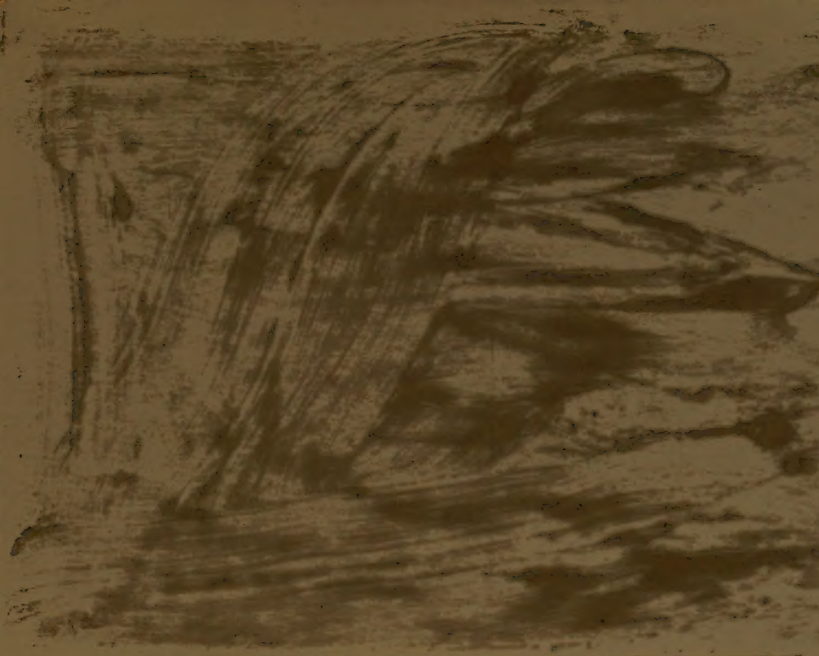
Sows during winter gestation period showing management equipment. March 1941.
10460-A



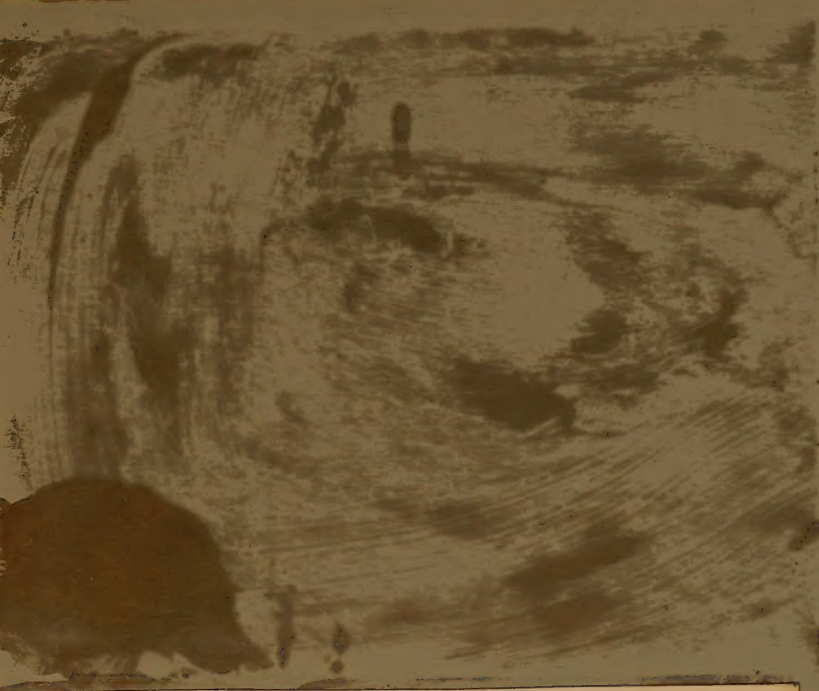
Boar pens and shelters. General view showing equipment and buildings. 10461-A
March 1941.



General view of new swine layout looking North from Mr. King's residence. 10462-A
March 1941.



General view of new swine layout looking North
from Mr. King's residence. March 1941. 10463-A



Sow and litter showing comfortable surroundings
in well equipped farrowing pen. March 1941.
10457-A



General view of new swine layout looking North from
Mr. King's residence. March 1941. 10464-A



Pigs in pen showing warmer. Young pigs are attracted
to the light and warmth of the electric pig brooder
soon after birth. March 1941. 10465-A



Sow and litter showing comfortable surroundings in well equipped farrowing pen. March 1941. 10458-A



Sow and litter in farrowing house, showing well equipped farrowing pen including electric pig brooder. March 1941. 10454-A



Large Type Poland China Sow 2178, farrowed March 3. Litter 3 days old. 11 pigs farrowed, 9 shown in picture. March 1941. 10468-A



Sow 2668 and litter 588 in farrowing house. Pigs less than one half hour old are getting colostrum milk. 13 pigs in litter. March 1941. 10456-A.



Sow 1853-S and litter 585 in farrowing house.
Litter 1 day old. Note pigs under protection of
guard rail. 13 pigs in litter.

March 1941 10455-A



Young pigs enjoying the heat from the electric
pig brooder, spend most of their time under the
brooder with less danger of being mashed by the
sow. Note position of sow with udder toward
guard rail.

March 1941 10467-A



Young pigs enjoying the heat from the electric
pig brooder, spend most of their time under the
brooder with less danger of being mashed by the
sow. Note how sow is attracted by the heat.

March 1941. 10466-A



Handling sows during the gestation period for fall farrow.

Beltsville Research Center, Beltsville, Md.

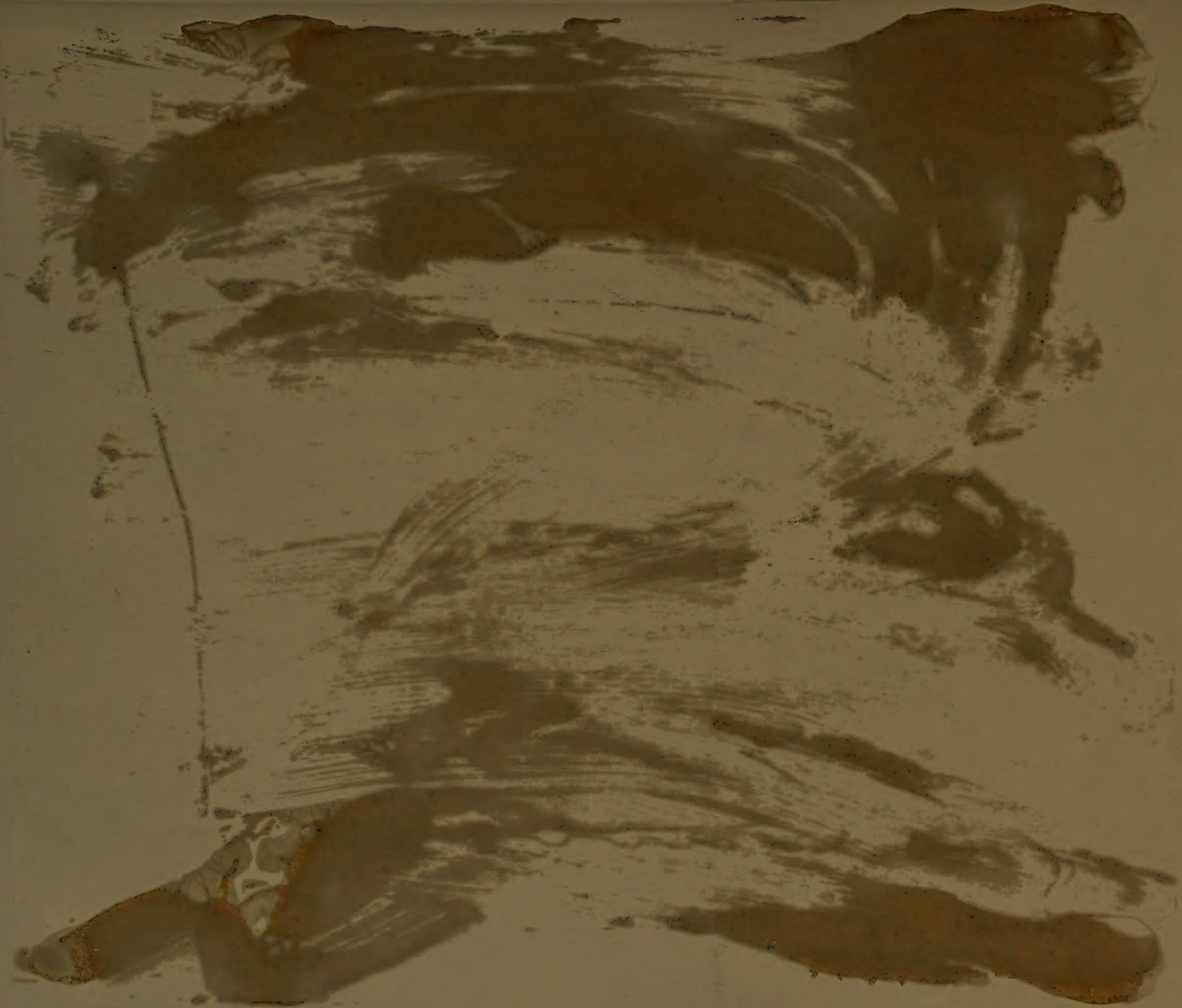
Enlargement from rolleiflex

Taken by Mr. Zeller

Summer 1942

Protein mixture fed in trough





Handling sows during the gestation period for
fall farrow.

Beltsville Research Center, Beltsville, Md.

Enlargement from rolleiflex.

Taken by Mr. Zeller

Summer 1942

Scattering corn for sows



Handling sows during the gestation period for
fall farrow. Beltsville Research Center,
Beltsville, Md.

Enlargement from rolleiflex camera
Taken by Mr. J. H. Zeller
Summer 1942



1. General hog shelter 10 by 32 feet
2. Box type movable colony house
3. Inside of general hog shelter
4. Box type movable hog house
5. Open front hog shelter
6. Open front colony house with winter front
7. "A" type movable colony house
8. General hog shelter on concrete feeding lots

Taken at Beltsville in December 1942

350-400 pound hogs at 12 foot trough.
 Space required per hog 16-20 inches.
 Neg. Nos. 10760-A, 10761-A and 10762-A.
 Taken at Beltsville, Md.
 11-30-42 by Stenhouse



Twenty 45 to 50 pound pigs at a 12 foot trough.
 Space required per pig - 8 inches.
 Neg. No. 10763-A

Ten 250 pound hogs at 12 foot trough.
 Space required per hog 15 inches.
 Neg. Nos. 10758-A and 10759-A
 Taken at Beltsville 11-30-42



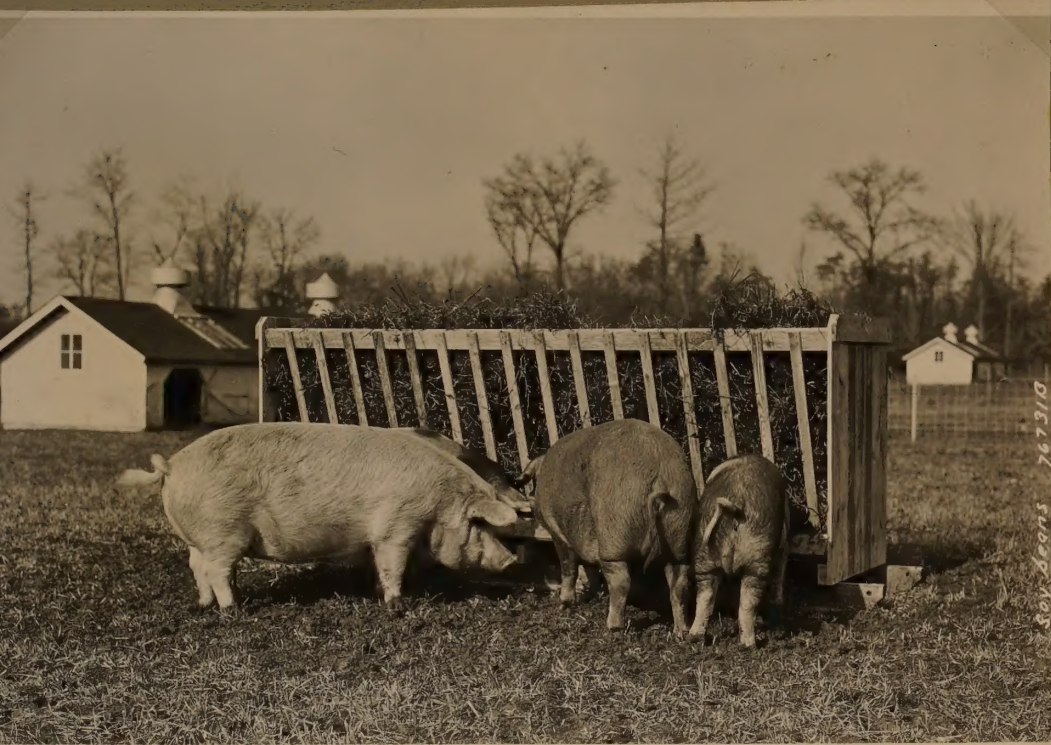
12' trough 45-50 lb 10763 A



12' trough 250 lb 10758 A



12' trough 250 lb 10759 A



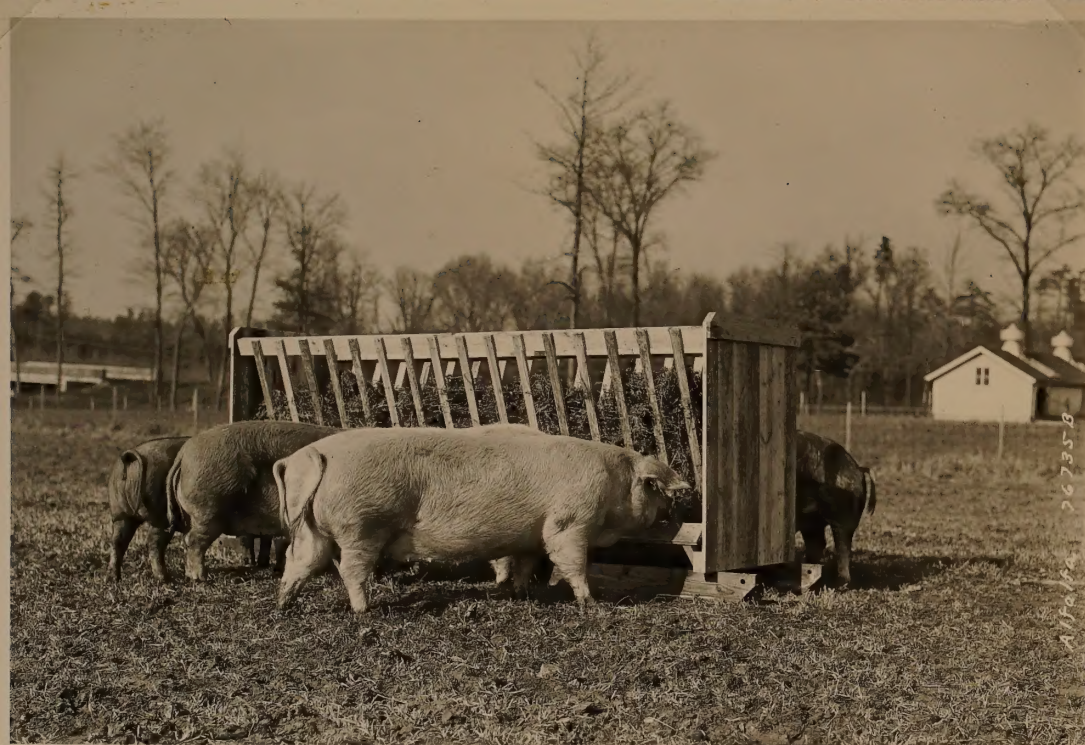
Feeding soybean hay in racks to sows during
 gestation period for spring 1943 litters at
 the Beltsville Research Center, Beltsville,
 Maryland.

Taken by Stenhouse 11-30-42

Neg. Nos. 76731-B, 76733-B, 76732-B



Close up of good quality soybean hay in rack for
sows during the gestation period. Note large
percentage of leaves and pods.
Taken at the Beltsville Research Center, Beltsville,
Md. 11-30-42 by Stenhouse



Alfalfa hay in rack for sows during gestation period. Photographed at the Beltsville Research Center, Beltsville, Md. 11-30-42. Neg. No. 76735-B.

Close up of No. 1 alfalfa hay in rack for sows during gestation. Note high percentage of leaves. Neg. No. 76736-B.



Handling of sows during gestation period for spring 1943 litters. Beltsville Research Center.

Note - hayracks; protein fed in troughs; corn scattered on ground.

Taken at Beltsville by Stenhouse 11-30-42

Neg. No. 76737-B

Sows at Beltsville grazing winter oat pasture during early part of gestation period, for spring 1943 litters.

Taken at Beltsville by Stenhouse 11-30-42

Neg. No. 76739-B.



Sows and litters on winter oats pasture bask
in the shadows of an artificial shade.
Beltsville, Md.

Nov. 1946

Neg. No. 79197-B



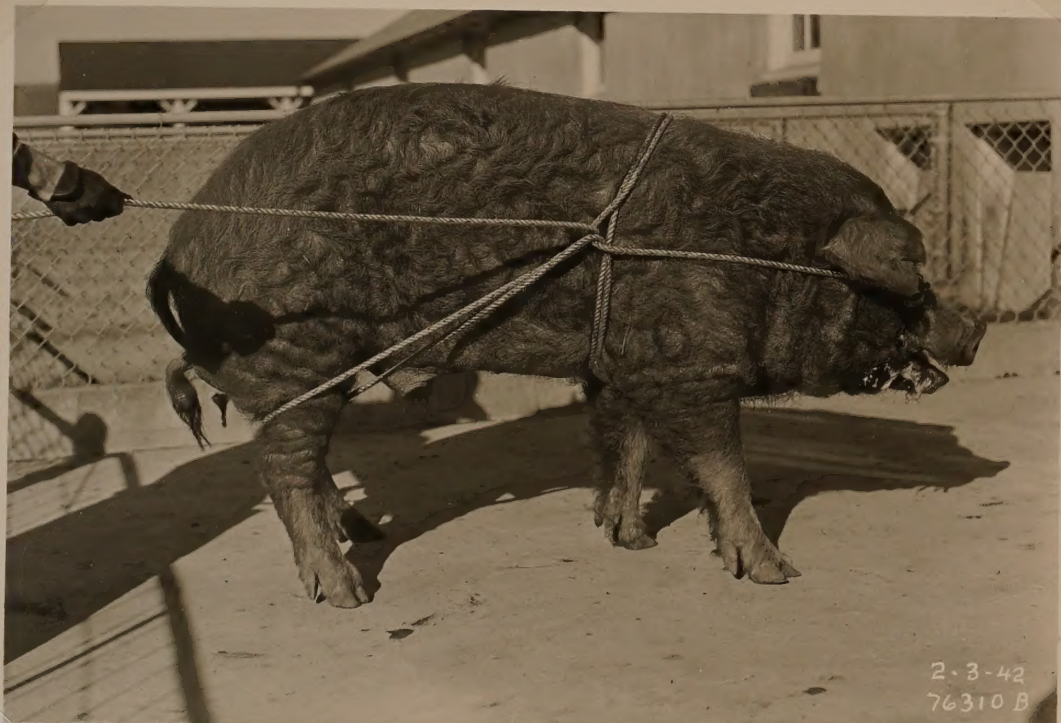
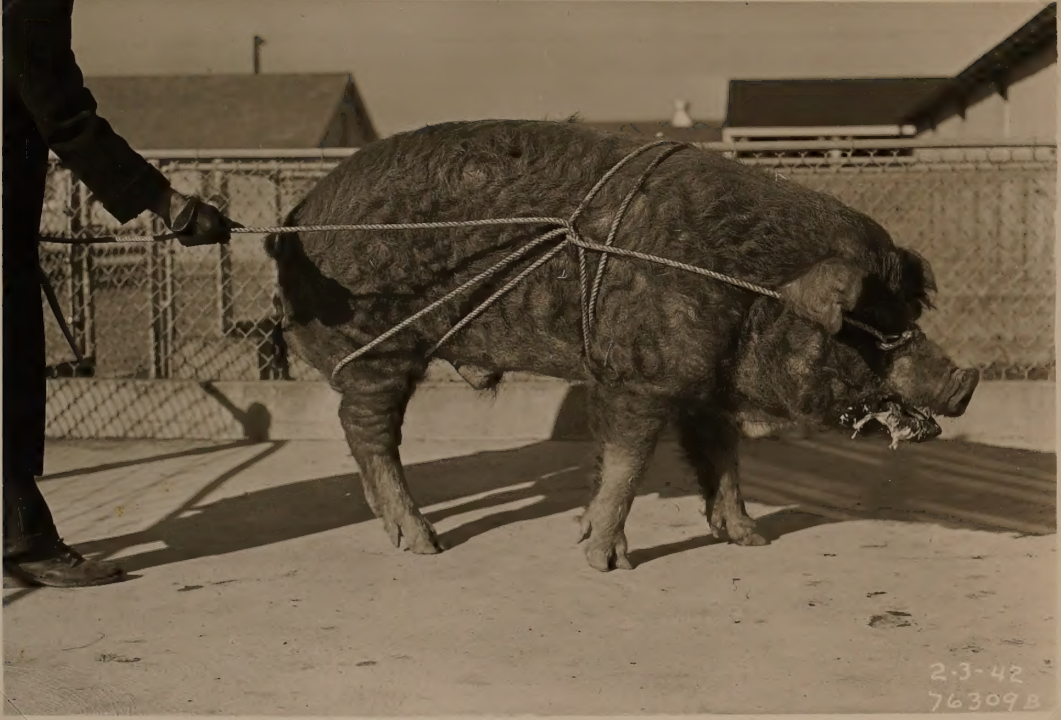
Beltsville, Md.

Yearling boars used in breeding studies at
Beltsville, grazing on winter oats pasture.
Nov. 1946.

Neg. 79196-B



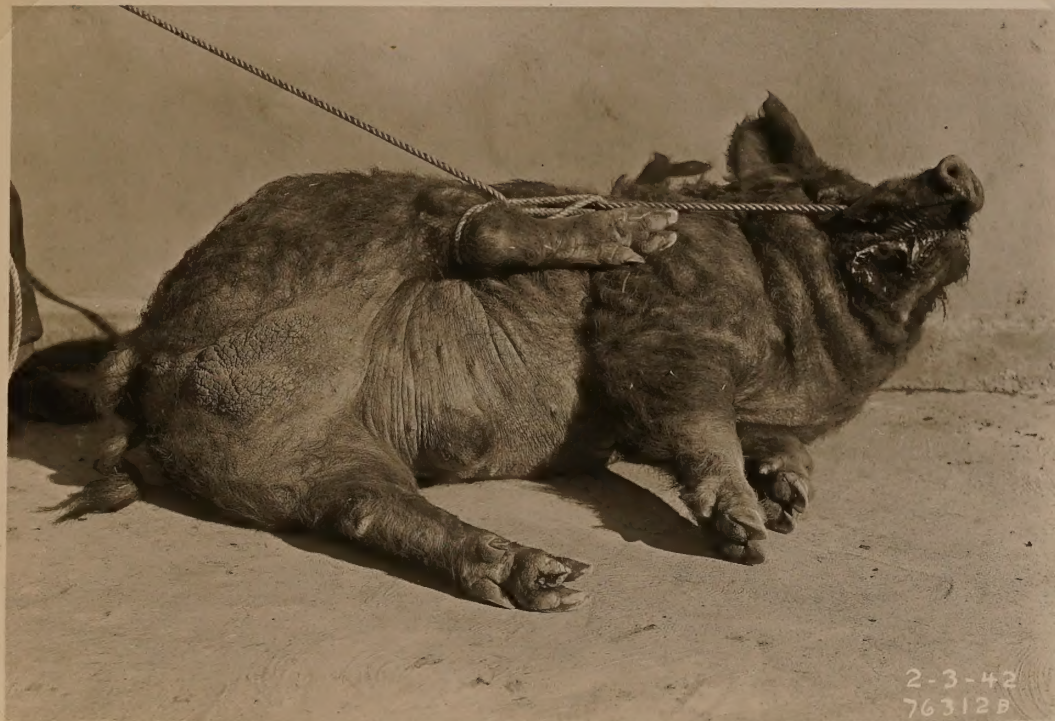
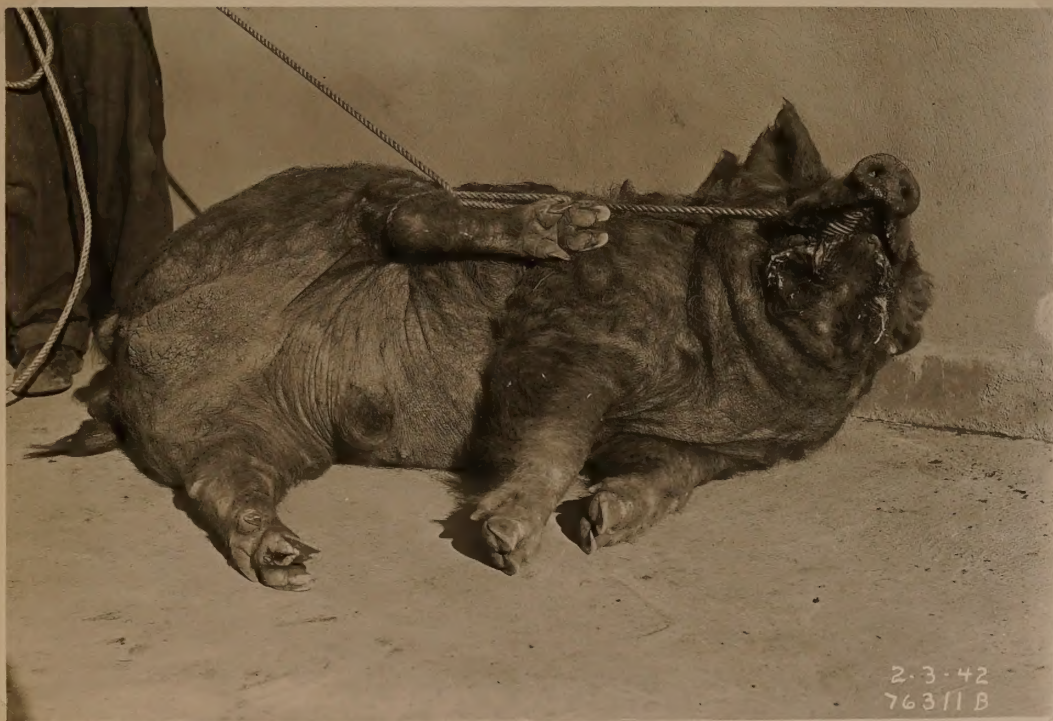
Corn, the basic feed of hogs, is grown on most farms.
Scene in Baltimore County, Maryland. November 1946
Neg. No.



Negative No. 76309-B
Hitch for throwing boar

Negative No. 76310-B
Same as 76309-B

Taken at Beltsville, Md. 2-3-42
By Stenhouse



Negative No. 76311-B
Boar thrown
Negative No. 76312-B
Same as 76311-B

Taken at Beltsville, Md. 2-3-42
By Stenhouse



Negative No. 76300-B
Sewing incision in ridgeling operation

Negative No. 76301-B
Sewing completed - ridgeling operation

Taken at Beltsville, Md. 2-3-42
By Stenhouse



2-3-42 76296-B



2-3-42 76297-B

Negative No. 76296-B
 Going through flank in ridgeling operation
 Negative No. 76297-B
 Removing testicle in ridgeling operation
 Taken 2-3-42 at Beltsville, Md.
 By Stenhouse



2-3-42

76298B



2-3-42

76299B

Negative No. 76298-B
Suturing peritonium in ridgeling operation

Negative No. 76299-B
Suturing the skin in ridgeling operation

Taken at Beltsville, Md. 2-3-42
By Stenhouse



2-3-42

76294B



2-3-42

76295B

Negative No. 76294-B
Rupture operation

Negative No. 76295-B
Rupture operation - tying off cord
Taken at Beltsville, Md. 2-3-42
By Stenhouse



Negative No. 76313-B
 Making long skin incision - Castration operation
 Negative No. 76314-B
 Crushing cord with emasculator. Boar snubbed in
 standing position.
 Negative No. 76315-B
 Crushing cord with emasculator
 Taken at Beltsville, Md. 2-3-42
 By Stenhouse

Shade 1 Lot 47 5-14-42 76480B



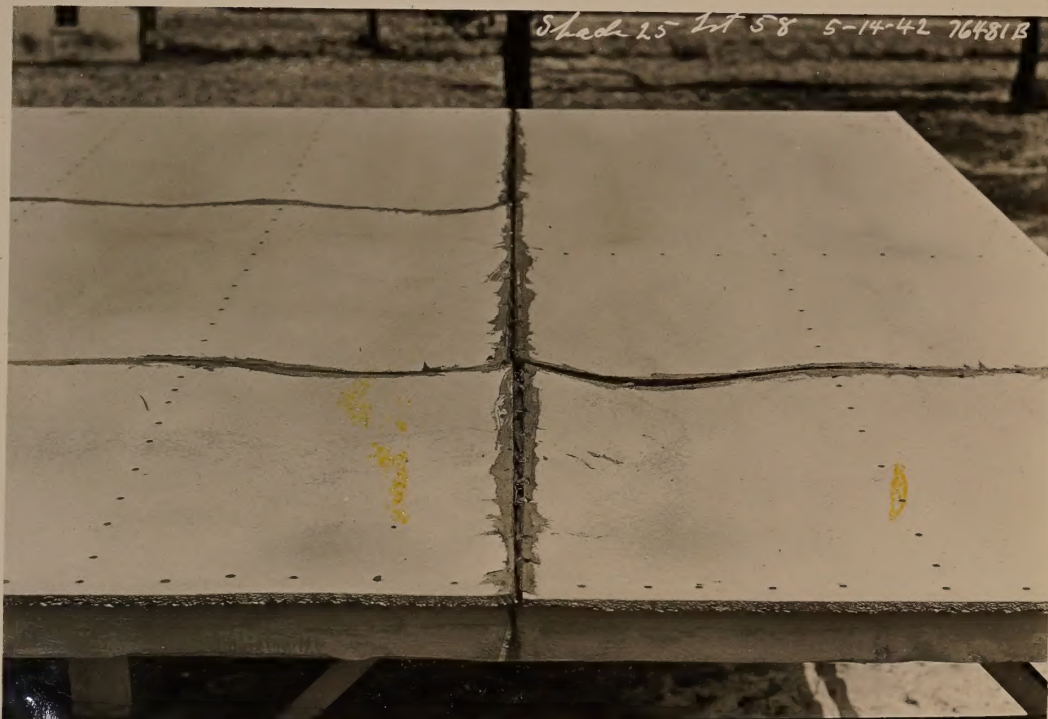
Shade 1, Lot 47. Close up view of roof of shade.
Canvas top on 1/4" plywood showing comparison of
canvas after treatment with aluminum paint and
flake zinc paint.

Aluminum paint - left

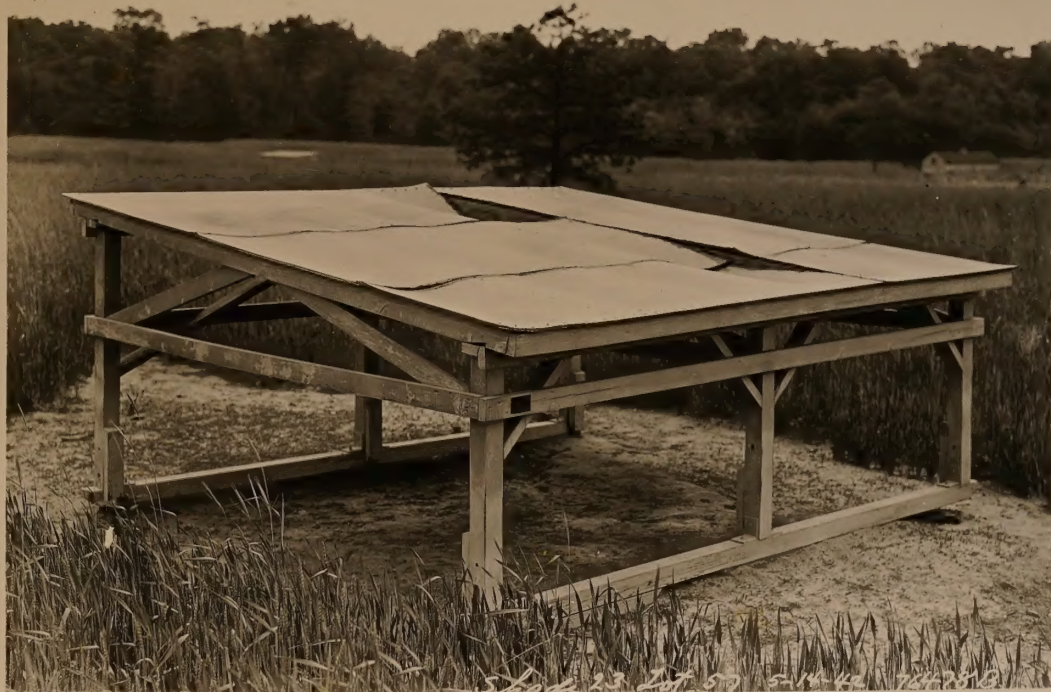
Zinc paint right

Note holes and rotting of canvas on right
5-14-42

Shade 25 Lot 58 5-14-42 76481B

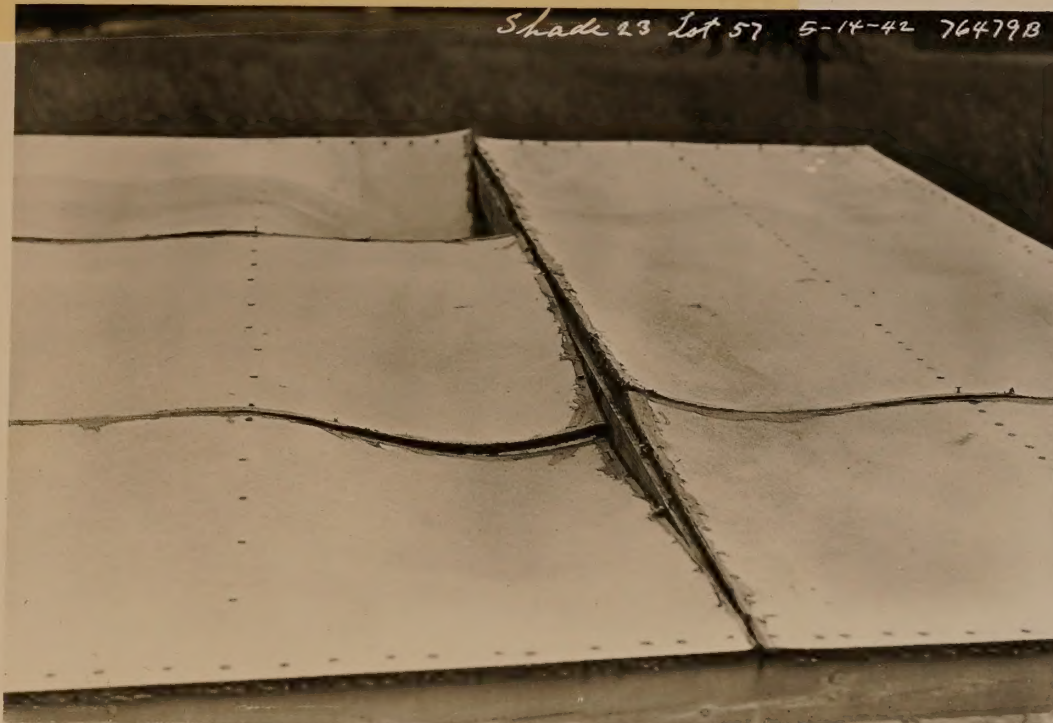


Shade 25, Lot 58. Showing how sections of fiber
board roofing material on shade have opened up
and pulled away from nails. Joints originally
butted and sealed with roofing cement. 5-14-42



Shade 23, Lot 67

View of shade showing warped and sagging condition
of roof made of fiber board material (homosote)
5-14-42



Shade 23, Lot 67

Close up view of homosote roof material showing
sagging from snow and rain load. Note pulling
away from nails. Joints originally butted and
sealed with roofing cement. 5-14-42



Several views of summer shade made into a winter house by making walls of baled straw.

Taken at Beltsville 2-19-45
Negative Nos. 78114-78115-78116-B



Several views of a summer shade made into a winter house by making walls of baled straw.

Taken at Beltsville 2-19-45
Negative Nos. 78108-78109-78010B



Several views of a summer shade made into a winter house by making walls of baled straw.

Taken at Beltsville 2-19-45
Negative Nos. 78011-78012-78013-B



5-2-40 68896B

Neg. No. 68896-B

Spring 1940 litters grazing rye and Italian rye
grass pasture.

Neg. No. 68897-B. Same as above. Note automatic
waterer.



5-2-40 68897B



Neg. No. 76010-B

7

Breeding gilts on winter oats pasture
Swine Section, B. R. C. Oct. 1941, *pasture and exercise in the open aid in developing strong, healthy individuals.*



Neg. No. 76008-B

Breeding gilts on winter oats pasture

Swine Section, B. R. C. Oct. 1941

Neg. No. 76009-B Same





Neg. No. 69950-B

Spring 1941 pigs ready for market on soybean
pasture. Weight of hogs - approximately 225 lbs.
Photograph taken 9-3-41. Beltsville Research Center.

Neg. No. 69951-B Same as 69950-B



Neg. No. 69947-B

Crop of Virginis soybeans for summer pasture
Swine Section, Beltsville Research Center. 9-3-41

Neg. No. 69953-B

Record of Performance pigs on soybean pasture -
ready for market at approximately 225 lbs. 9-3-41





Neg. No. 69948-B
 Crop of Virginia soybeans for summer pasture
 Photograph taken 9-3-41

Neg. No. 69952-B
 Record of Performance hogs on soybean pasture -
 ready for market at approximately 225 lbs.



Negative Nos. 10560-A
 10561-A
 10562-A

Hogs at Beltsville, Md. on
 soybean pasture.
 Taken 9-3-41



5-2-40 68888B

Neg. No. 68889-B
Spring 1940 litters grazing rye and Italian
rye grass pasture.
Neg. No. 68890-B Same



5-2-40 68890B

Neg. No. 68890-B
Spring 1940 litters on rye pasture. Note colony
house, also uniformity of pigs.
Neg. No. 68891-B
Spring 1940 litters on rye pasture.



5-2-40 68889B



5-2-40 68891B



5-2-40 68892 B

Neg. No. 68892-B
Spring 1940 litters grazing rye and Italian rye grass pasture.

Neg. No. 68893-B
Sow and litter on rye pasture with access to a self feeder.



5-2-40 68893 B



5-2-40 68894 B

Neg. No. 68894-B
Sows and litters on pasture.

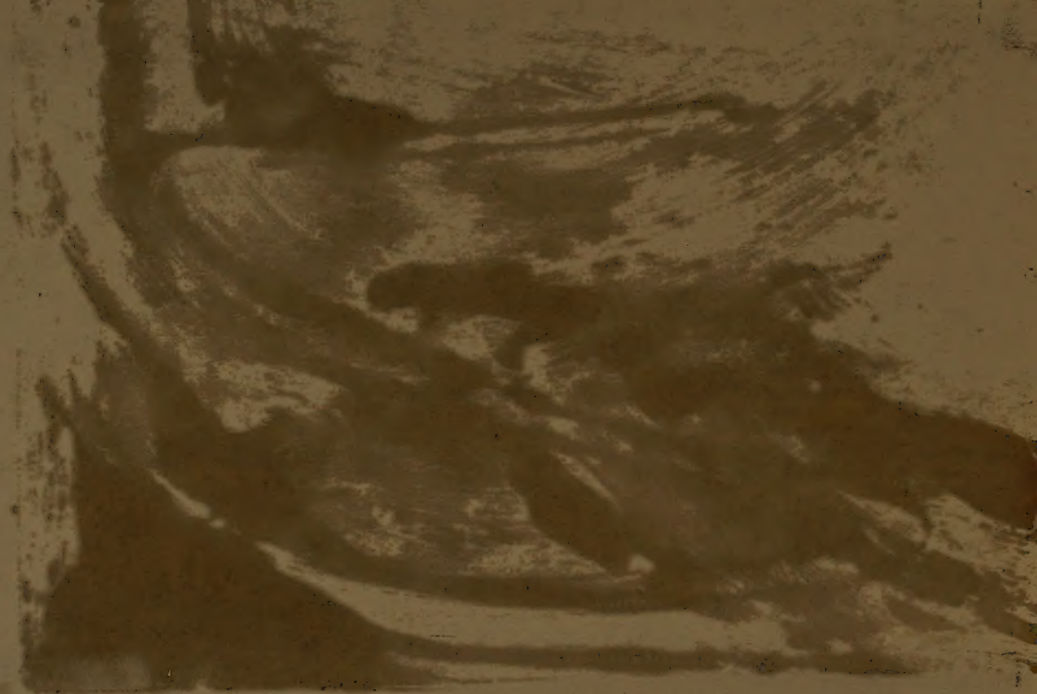
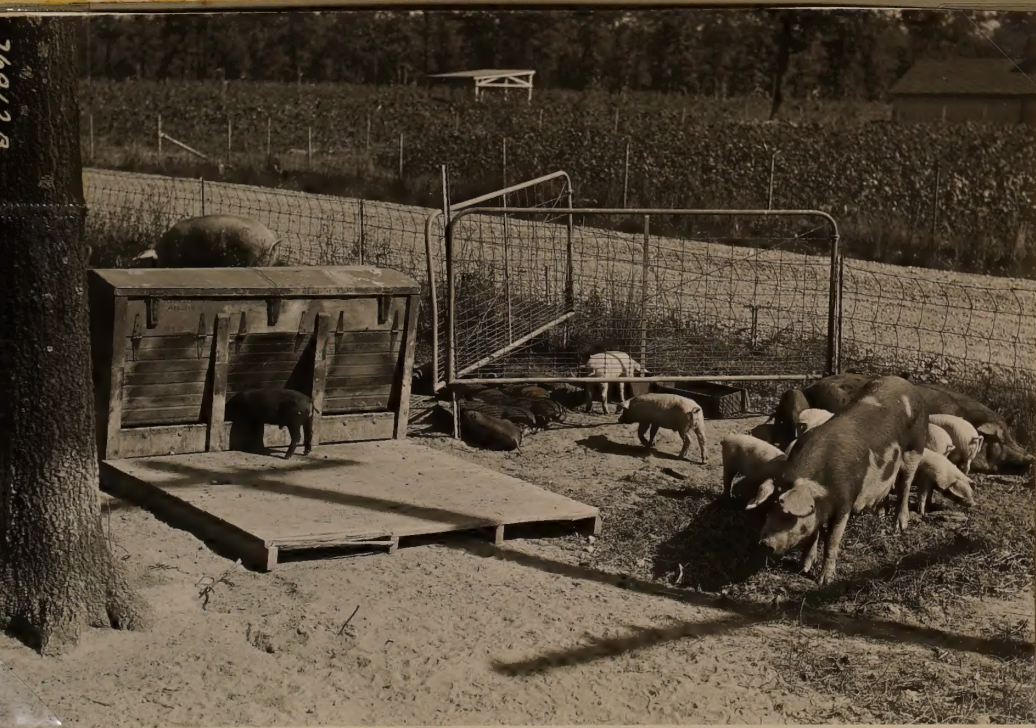
Neg. No. 68895-B
Spring 1940 litters on rye pasture. Note artificial shade for protection from sun's rays.



5-2-40 68895 B



Neg. No. 76011-B
Sows and litters on self feeders. Fall 1941
Swine Section, B.R.C. 10-9-41
Neg. No. 76012-B
Fall 1941 litters on pasture. Note creep for
supplemental feeding of pigs.
Swine Section, B.R.C. 10-9-41



Neg. No. 76013-B
Same as 76012-B

Neg. No. 76014-B
Same as 76012-B



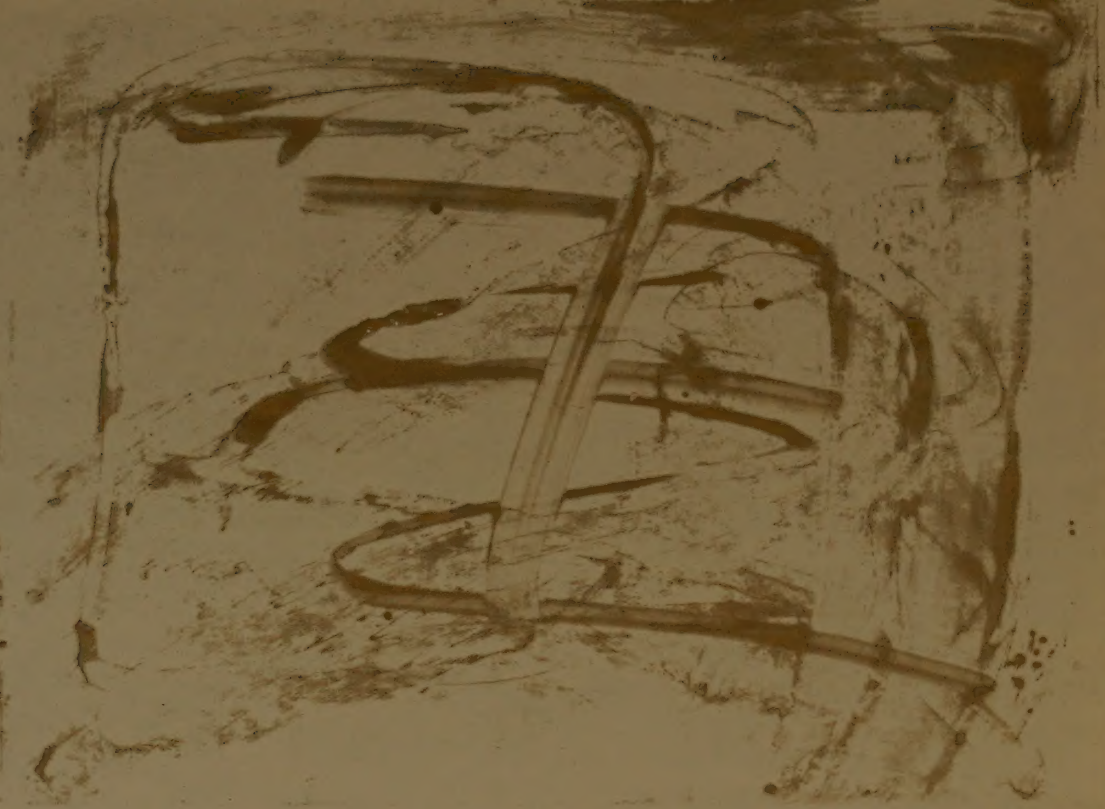


Neg. No. 76015-B
Sows and litters on self feeders.
Swine Section, B.R.C. 10-9-41
Neg. No. 76016-B
Same as 76015-B



Neg. No. 76017-B
Same as 76015-B





Beltsville, Md. Summer 1945

Gilts in Landrace-Poland China strain during gestation for fall 1945 litters. Neg. No. 78402-B

Close up of bred gilts of Landrace-Poland China strain during gestation for fall 1945 litters. Neg. No. 78389-B

Gilts in Landrace-Poland-China strain during gestation period for fall 1945 litters. Neg. No. 78401-B.



78388B

Beltsville, Md. Summer 1945

Bred gilts in black strains - Landrace by Poland China and Landrace by Large Black, during gestation period on mixed grass pasture for fall 1945 litters. Neg. No. 78403-B.

Neg. 78404-B - dans as 78403-B.

Close up of gilts of the Landrace-Poland China strain. Neg. No. 78388-B.



Beltsville, Md. Summer 1945

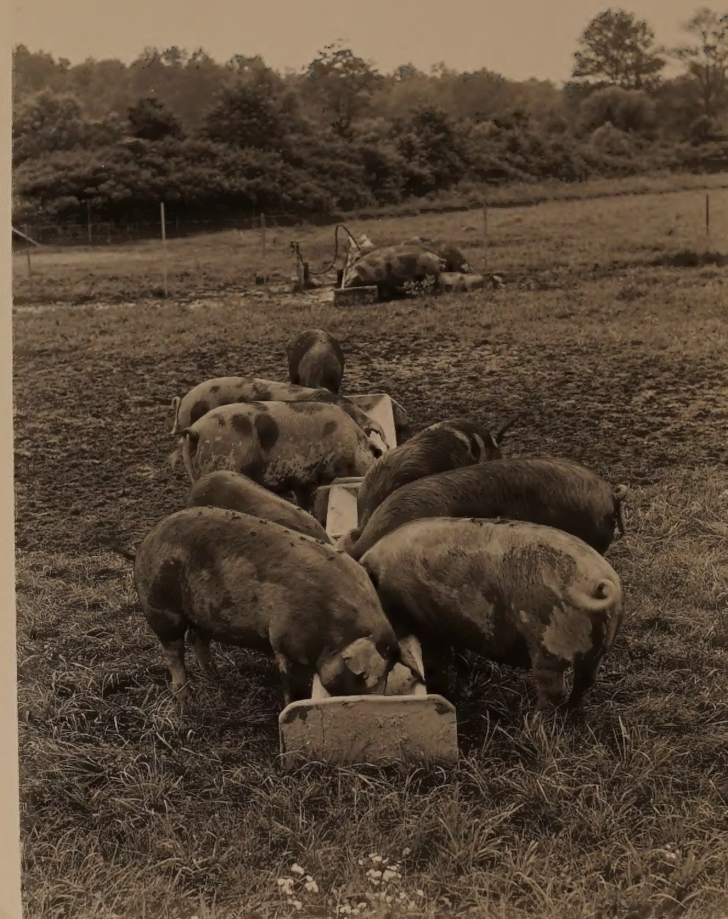
Bred gilts in red strain during summer of
1945. Neg. No. 78395-B

Same - Neg. No. 78396-B









Beltsville, Md. 1945

Method of watering gilts during gestation period
for fall 1945 farrow. Neg. No. 78392-B

The hog wallow is unsightly and often unsanitary
Neg. No. 78390-B

Feeding and watering arrangement for gilts during
gestation for fall 1945 litters. Neg. 78387-B



Beltsville, Md. Summer 1945

Feeding grain ration to bred gilts during
gestation for fall 1945 litters.

Neg. No. 78398-B.

Neg. No. 78388-B.





Beltsville, Md.

Hog lot equipment used for sows during winter gestation. Neg. No. 10927-A

Bred sows grazing on winter oats during winter gestation period. Neg. No. 10931-A

Bred sows grazing on winter oats pasture in January. Neg. No. 10939-A



Beltsville, Md.

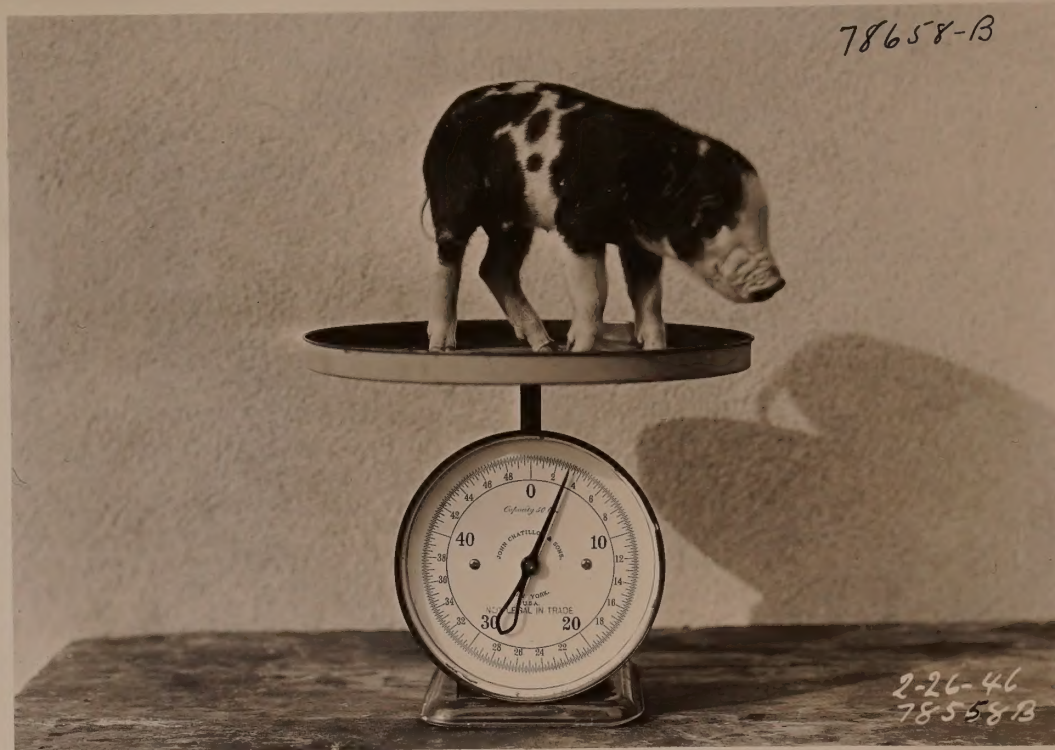
Winter quarters for sows during gestation.
Neg. No. 10930-A



2-26-46
78657B

Neg. No. 78657-B
Weighing baby pigs at the Agricultural Research Center
Beltsville, Md.
Photograph taken February 1946.

Neg. No. 78658-B
Another method of weighing baby pigs.



78658-B

2-26-46
78658B



Neg. No. 78659-B
Box for handling young pigs at farrowing time
Used at Beltsville

Neg. No. 78660-B
Nipping teeth of young pigs at Beltsville



2-26-46 78661B

Neg. No. 78661-B
Nipping teeth of baby pigs

Neg. No. 78662-B
Ear marking pigs at birth



2-26-46
78662B



Neg. No. 78663-B
Tying the cord of a newly farrowed pig



Neg. No. 78664-B
Disinfecting the wound



Neg. No. 11053-A 6-12-46
Dr. Henderson (Entomology) weighing DDT for 1 percent solution to spray hog house for control of flies.
Neg. No. 11054-A
Putting 1 percent DDT solution in sprayer

Neg. 11055-A
Spraying hog house with 1 percent DDT solution against flies.

Neg. 11056-A
Ordinary force pump used in applying 1 percent DDT spray on hog house



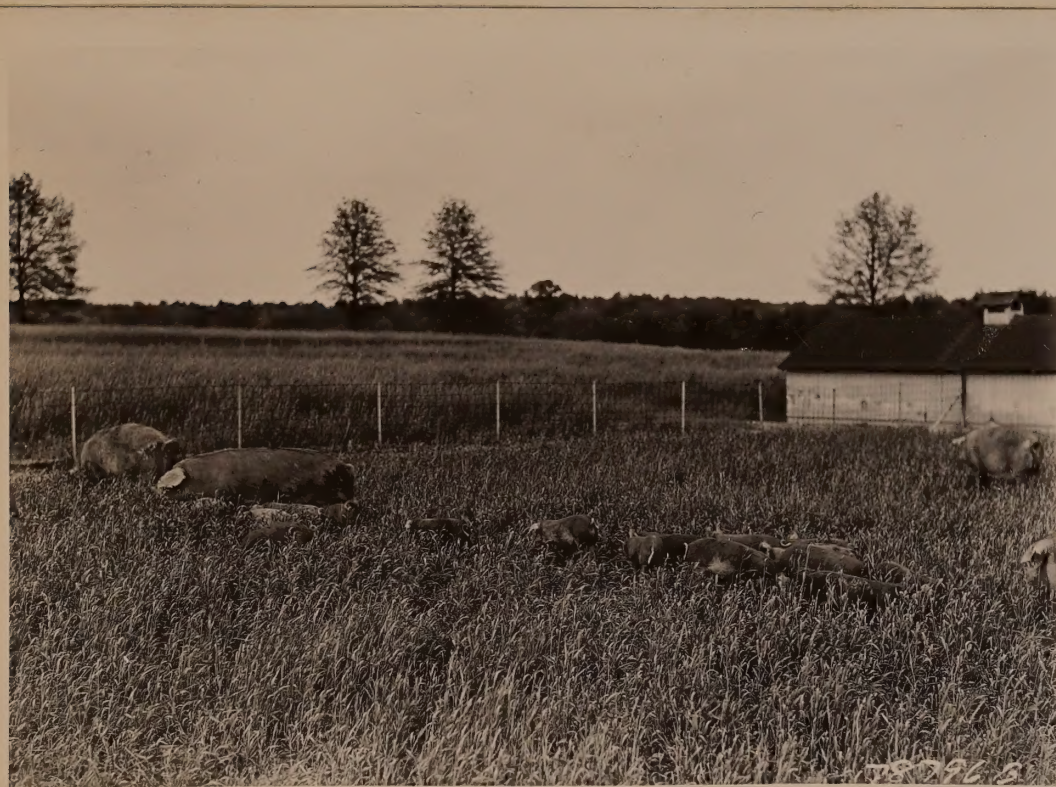
Neg. No. 78793-B
Weanling pigs of spring 1945 farrow on winter oat
pasture.



Neg. No. 78794-B
Sows and litters in spring 1946 on winter oat pasture
Beltsville, Md. May 1946



Neg. No. 78795-B
 Sows and litters on winter oats pasture
 Spring 1946 at Beltsville
 May 1946



Neg. No. 78796-B
 Sows and litters on winter oats pasture
 Spring 1946 at Beltsville
 May 1946